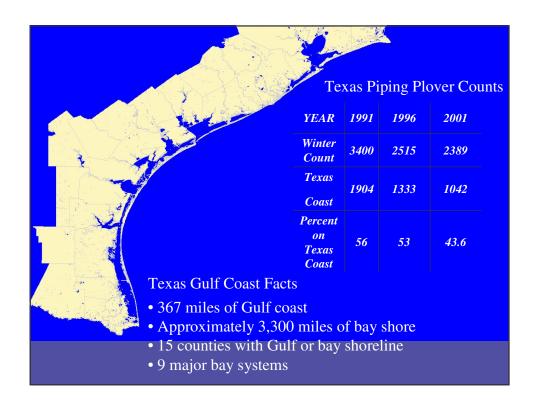
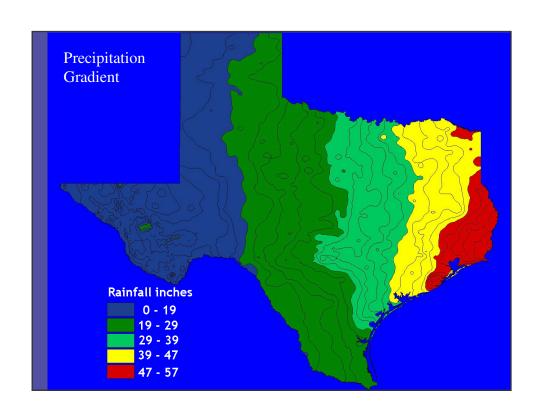
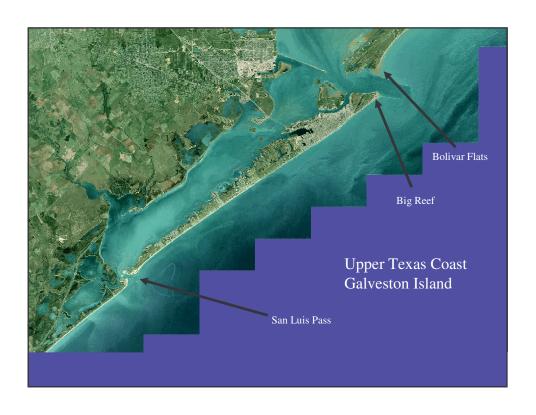


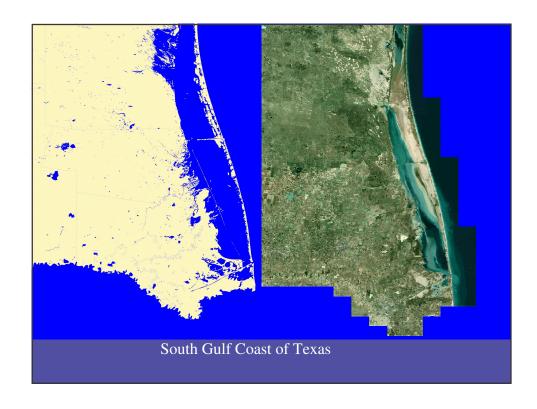
Points of interest

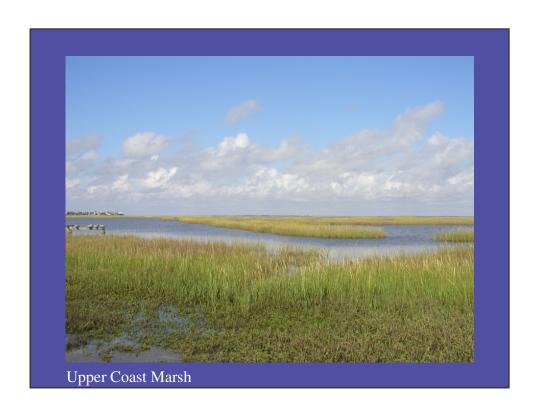
- Overview of programs for Piping Plovers in Texas
- Areas with sufficient survey coverage
- Areas with potential but inadequately surveyed
- Databases
- Ongoing surveys
- Seasonal use
- Information on banded birds
- Perceived threats
- Proposed research



















Texas Gulf Beaches

Programs / Projects directed at Piping Plovers in Texas

Texas Parks & Wildlife Department (TPWD)

Currently:

Drafting SWG Comprehensive Wildlife Conservation Plan

Consideration for plovers & habitat protection during review of CWA Sect 404 projects

Past Efforts:

Survey & mapping of plover presence along bay shoreline

Section-6 funded research projects – carried out and/or funded by TPWD

Participation in 3 international censuses

Participation – national & regional shorebird conservation planning

U.S. Fish & Wildlife Service (USFWS)

Coordination - 3 international censuses

Compilation of information used to designate Critical Habitat units

Technical assistance, some financial assistance, to various research projects

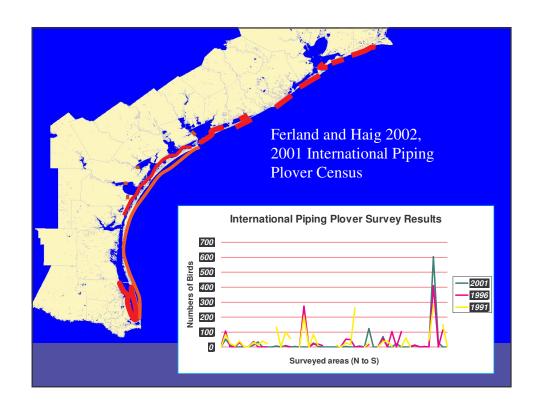
Consideration for plovers & habitat protection during review of CWA Sect 404 projects & other Federal projects

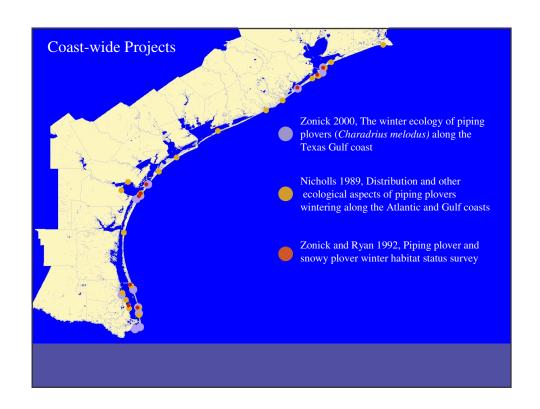
Monitoring Efforts

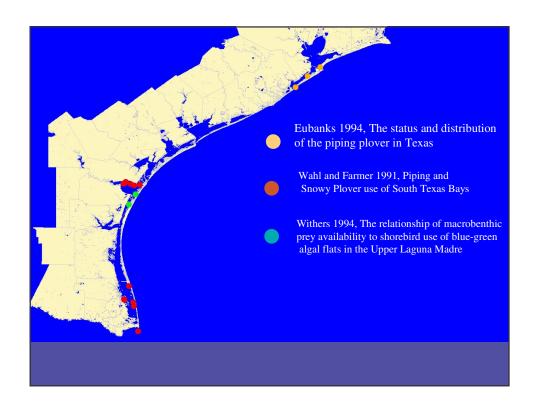
Several on Texas Central Coast and one on Bolivar Flats

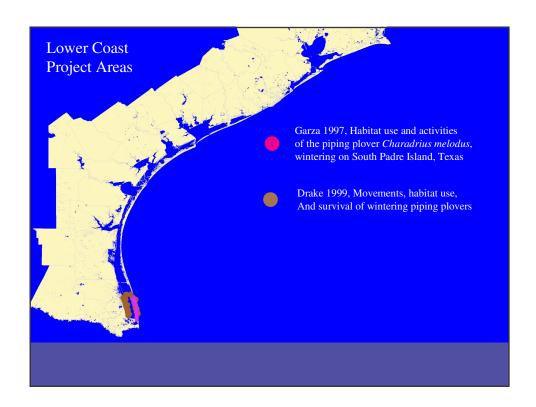
Research Projects:

MS Theses and Dissertations









Methods:

Research Projects

Investigations of: Habitat characteristics, habitat use, winter ecology – time budgets, prey availability and preferences, effects of disturbance, home range, movements within a bay system, etc.

Methods & Techniques: Varied – include radio-tracking, color banding, sampling of benthos, tracking time budgets, comparisons between use of Gulf beaches & bay shore habitats, etc.

Frequency: Same areas repeatedly sampled – some multi-year

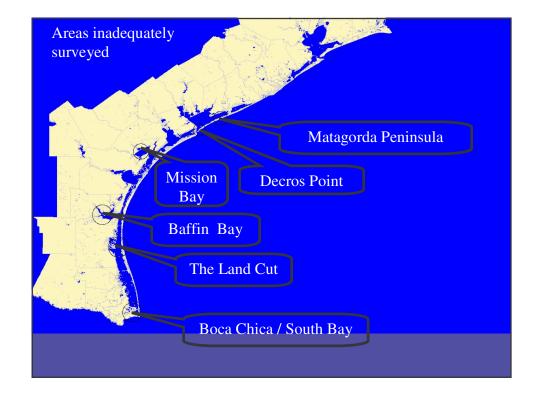
Surveys & Monitoring Projects

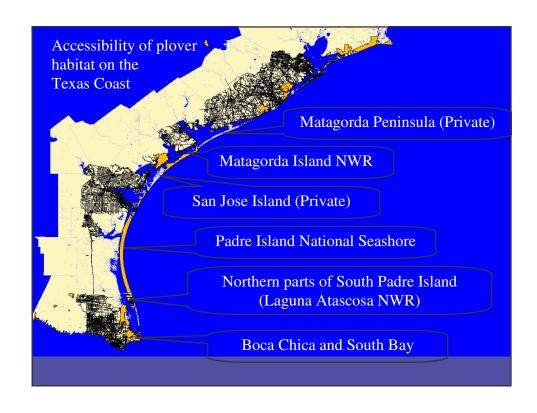
Determined distribution and abundance along stretches of Gulf beach and/or bay shore habitat

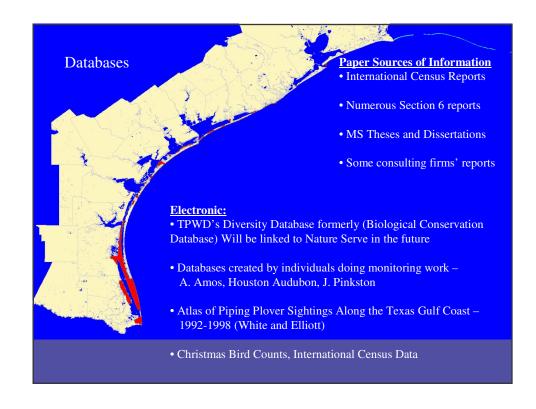
Methods & Techniques: Observations from vehicles, ATV's, boats or by walking area of interest. One multi-year effort to survey some hard-to-access bayside habitat used airboat Frequency:

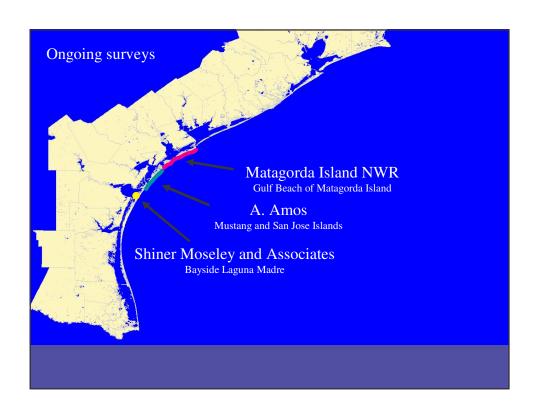
Some were a "snapshot in time" of a given area

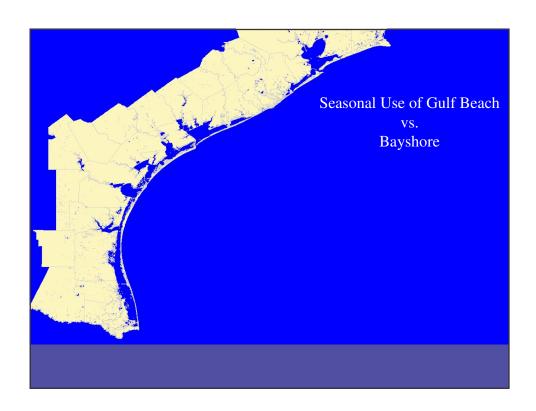
International censuses – snapshot in time approach – however, are repeated on 5-year basis Some sites repeatedly surveyed over a time period varying from a few years to many years. Some sites surveyed on a regular basis, but only for a season or a year.

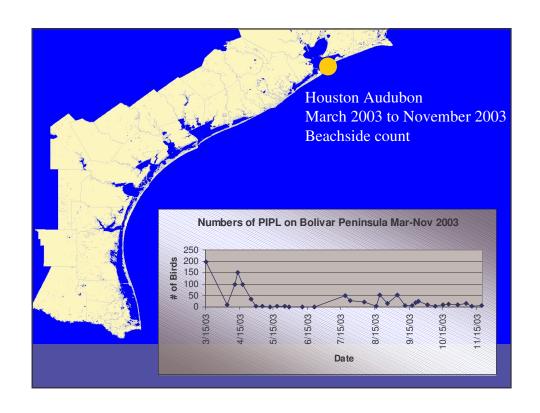


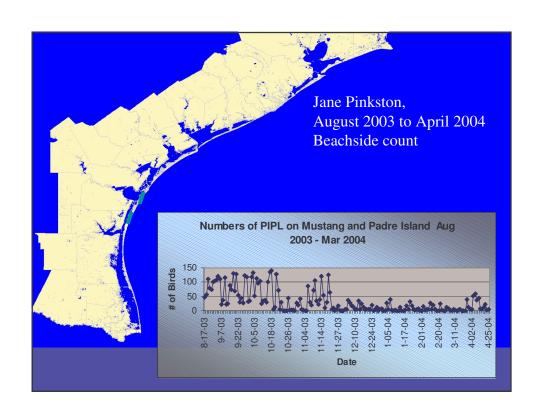


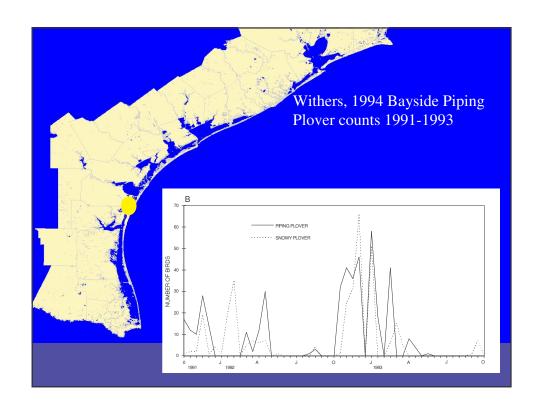




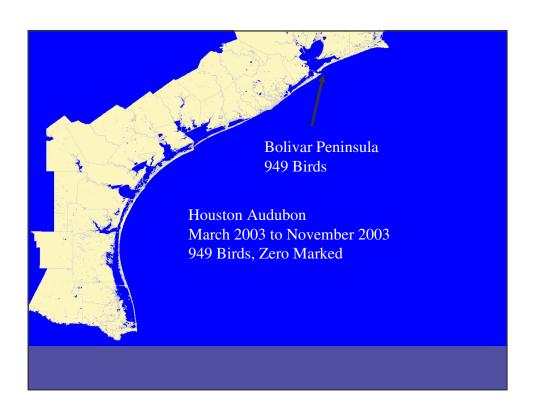




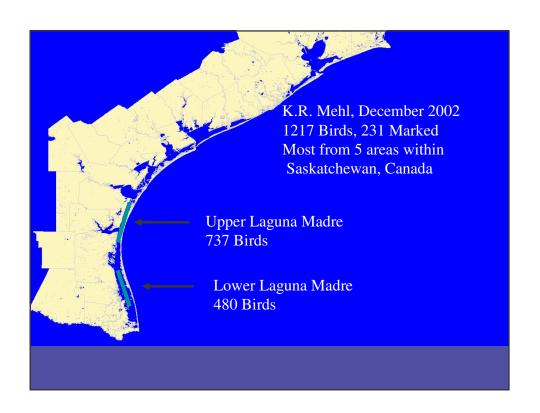


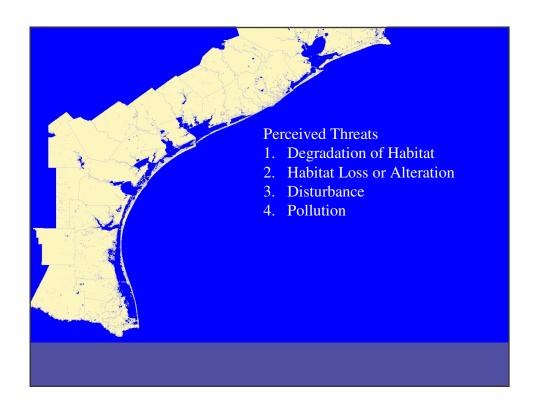


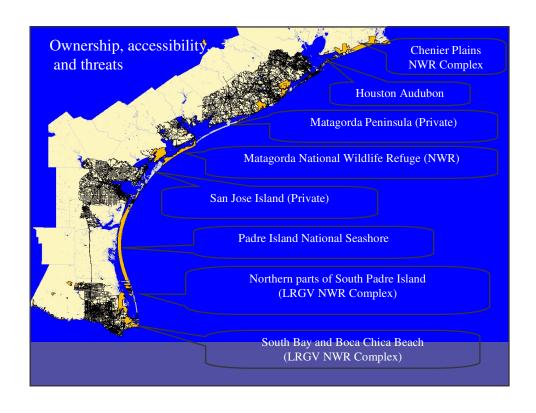
















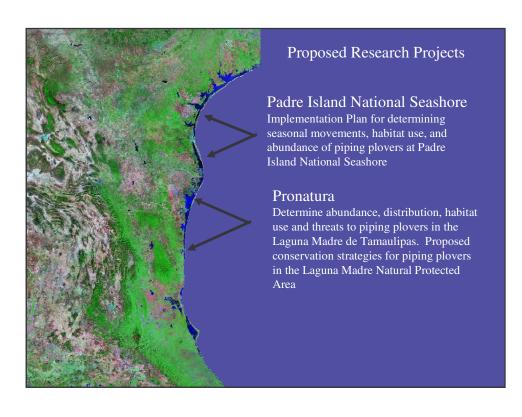




Commercial and residential development in tidal flat habitat









I'm A Snowy Plover Now!